

APPENDIX H

10-METER BORE LIGHT/ 25-METER TARGET OFFSETS

This appendix provides all the 10-meter/25-meter target offsets for the M249/M240B weapons mounted with iron sight, optics, MILES, or aiming lasers. A blank reproducible 10-meter target offset is provided along with a table and example of every weapon configuration. The M16A2 300-meter zero target is used for 25-meter zeroing with all weapon configurations.

H-1. 10-METER TARGET OFFSET

To mark the proper 10-meter target offset, the gunner must do the following:

- a. Find the correct template for your weapon configuration.
- b. Count the number of squares starting from center of the bore light circle on the offset to the desired point of aim. Each template also provides you with a number formula for the proper offset. Example (L2.0, U2.4): Starting from the center of the bore light circle (0.0, 0.0) move LEFT 2 squares and UP 2.4 squares.
- c. Place the appropriate symbol or mark (Figure H-1).

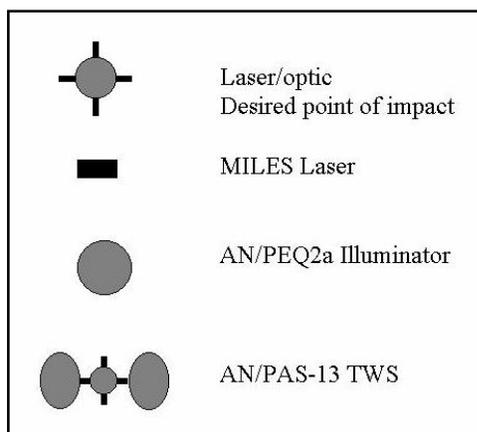


Figure H-1. 10-meter target offset symbols.

H-2. 25-METER TARGET OFFSET

To mark the proper 25-meter target offset do the following:

- a. Use only M16A2 300-meter zero targets.
- b. Find the correct target template for your weapon configuration.
- c. Count the number of squares starting from the center of the 300-meter zeroing silhouette.
- d. Mark the designated strike point by drawing a small circle at the appropriate number of squares from the center of the 300-meter zeroing silhouette.
- e. Draw a 4-centimeter by 4-centimeter square keeping the designated strike point center mass of the 4-centimeter by 4-centimeter square.

WPN	ACCESSORY	MOUNT	RANGE ZEROED TO	ZERO TARGET OFFSET	BORESIGHT TARGET OFFSET	MILES OFFSET
M249	IRON SIGHTS	NA	400m	NA	TBD	1.9L/.5U
M249	MGO	IFTC RAIL	400m	TBD	0.0/7.9U	1.9L/.5U
M249	MGO	TWS BRACKET	400m	TBD	0.0/2.15U	1.9L/.6U
M249	AN/PAQ-4C	TWS BRACKET TOP	400m	0.5R/1.5U	1.85L/7.7U	1.9L/.5U
M249	AN/PAQ-4C	AN/PVS4 BRACKET	400m	2.5R/1.5D	4.1L/6.1U	1.9L/.5U
M249	AN/PAQ-4C	INSIGHT RAIL GRABBER WITH IFTC	400m	TBD	1.75L/4.69U	1.9L/.5U
M249	AN/PAQ-4C	PICATINNEY RAILGRABBER WITH IFTC	400m	1.75R/0.0	1.75L/5.39U	1.9L/.5U
M249	AN/PAQ-4C	INSIGHT RAIL GRABBER FORWARD RAILS RIGHT	400m	5.9R/9.6D	5.9R/4.0D	1.9L/.5U
M249	AN/PAQ-4C	INSIGHT RAIL GRABBER FORWARD RAILS LEFT	400m	6.0R/13.3D	6.0R/8.3D	1.9L/.5U
M249	AN/PAQ-4C	PICATINNY RAIL GRABBER WITH AL SPACER FORWARD RAILS RIGHT	400m	7.7R/9.6D	7.7R/4.0D	1.9L/.5U
M249	AN/PAQ4-C	PICATINNY RAIL GRABBER FORWARD RAILS LEFT	400m	7.6R/13.3D	7.6R/8.3D	1.9L/.5U
M249	AN/PEQ-2A	TWS BRACKET TOP	400m	1.8L/2.7D	1.8R/7.95U	1.9L/.5U
M249	AN/PEQ-2A	AN/PVS4 BRACKET WITH SPACER	400m	5.0R/4.0D	.45L/6.5U	1.9L/.5U
M249	AN/PEQ-2A	INSIGHT RAIL GRABBER WITH IFTC	400m	2.0L/1.5U	1.95R/4.79U	1.9L/.5U
M249	AN/PEQ-2A	PICATINNEY RAIL GRABBER WITH IFTC	400m	2.0L/0.5D	1.95R/6.49U	1.9L/.5U
M249	AN/PEQ-2A	INSIGHT RAIL GRABBER FORWARD RAILS RIGHT	400m	6.1R/13.2D	6.1R/7.6D	1.9L/.5U
M249	AN/PEQ-2A	INSIGHT RAIL GRABBER FORWARD RAILS LEFT	400m	6.0R/9.4D	6.0R/4.4D	1.9L/.5U
M249	AN/PEQ-2A	PICATINNY RAIL GRABBER WITH AL SPACER FORWARD RAILS RIGHT	400m	7.8R/13.2D	7.8R/7.6D	1.9L/.5U
M249	AN/PEQ-2A	PICATINNY RAIL GRABBER FORWARD RAILS LEFT	400m	7.6R/9.4D	7.6R/4.4D	1.9L/.5U
M249	AN/PVS-4	IFTC TOP WITH SPACER	400m	0.0/4.3D	0.0/10.00U	1.9L/.5U
M249	AN/PVS-4	AN/PVS-4 BRACKET	400m	2.5R/4.9D	2.25L/11.25U	1.9L/.5U
M249	AN/PAS-13	IFTC TOP	400m	0.0/2.75D	0.0/8.6U	1.9L/.5U
M249	AN/PAS-13	TWS BRACKET	400m	0.0/5.5D	0.0/10.05U	1.9L/.5U
M240B	IRON SIGHTS	NA	500m	TBD	TBD	1.9L/.5U
M240B	MGO	FEEDTRAY COVER RAIL	500m	NA	0.0/0.0	5.0R/4.1D
M240B	AN/PAQ-4C	PICATINNEY RAIL GRABBER TOP	500m	1.75R/2.2D	1.5L/3.5U	5.0R/4.1D
M240B	AN/PEQ-2A	INSIGHT RAIL GRABBER TOP	500m	2.0R/1.5D	1.7R/3.71U	5.0R/4.1D
M240B	AN/PAQ-4C	INSIGHT RAIL GRABBER FORWARD RAILS RIGHT	500m	TBD	TBD	5.0R/4.1D
M240B	AN/PAQ-4C	INSIGHT RAIL GRABBER FORWARD RAILS LEFT	500m	6.2R/16.8D	6.2R/8.1D	5.0R/4.1D
M240B	AN/PAQ-4C	PICATINNY RAIL GRABBER FORWARD RAILS RIGHT	500m	TBD	TBD	5.0R/4.1D
M240B	AN/PAQ-4C	PICATINNY RAIL GRABBER FORWARD RAILS LEFT	500m	7.9R/16.8D	7.9R/8.1D	5.0R/4.1D
M240B	AN/PEQ-2A	INSIGHT RAIL GRABBER FORWARD RAILS RIGHT	500m	TBD	TBD	5.0R/4.1D
M240B	AN/PEQ-2A	INSIGHT RAIL GRABBER FORWARD RAILS LEFT	500m	6.2R/12.8D	6.2R/4.1D	5.0R/4.1D
M240B	AN/PEQ-2A	PICATINNY RAIL GRABBER FORWARD RAILS RIGHT	500m	TBD	TBD	5.0R/4.1D
M240B	AN/PEQ-2A	PICATINNY RAIL GRABBER FORWARD RAILS LEFT	500m	7.9R/12.8D	7.9R/4.1D	5.0R/4.1D
M240B	AN/PVS-4	FEEDTRAY COVER RAIL PICATINNY RAIL GRABBER WITH SPACER	500m	0.0/6.2D	0.0/6.0U	5.0R/4.1D
M240B	AN/PAS-13	FEED TRAY COVER	500m	0.0/2.3U	0.0/8.0U	5.0R/4.1D

Figure H-3. Quick reference card is included on back of DA Form 7476-R.